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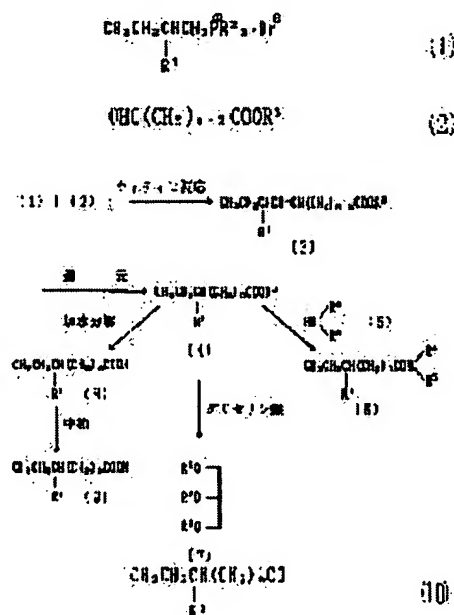
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(54) BRANCHED FATTY ACIDS AND PRODUCTION THEREOF

(57)Abstract:

PURPOSE: To obtain partially new fatty acids each having a branch at 3-position from the terminal methyl group useful as a blend component for hair cosmetic from readily available raw material in high selectivity and high yield.

CONSTITUTION: A compound expressed by formula 1 (R1 is methyl or ethyl; R2 is hydrocarbon group) is made to react with a compound expressed by formula 2 (R3 is 1-6C alkyl or alkenyl; (n) is integer of 4-16) to afford a compound expressed by formula 3, which is reduced to give a compound expressed by formula 4. Then the compound expressed by formula 4 is allowed to react with a compound expressed by formula 5 (R4 and R5 are 1-6C alkyl capable of having OH, alkenyl or H) or glycerols or hydrolyzed, or the hydrolyzate is neutralized with a base to advantageously provide a partially new substance expressed by formula 6 to formula 9 (at least one of R6 to R8 is formula 10 and the remainder is 1-22C alkyl, alkenyl, acyl or H; M is a cation selected from alkali metal, alkaline earth metal, ammonium and organic ammonium; formula 6 and formula 9 are new compounds).



LEGAL STATUS

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